

Nur für Forschungszwecke

Pyruvate Carboxylase Polyklonaler Antikörper



Katalog-Nr.:16588-1-AP

Vorgestelltes Produkt

25 Publikationen

Allgemeine Informationen

Katalog-Nr.: 16588-1-AP	GenBank-Zugangsnummer: BC011617	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 500 µg/ml von Nanodrop;	GeneID (NCBI): 5091	Empfohlene Verdünnungen: WB 1:5000-1:50000 IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB
Wirt: Kaninchen	Vollständiger Name: pyruvate carboxylase	IHC 1:500-1:2000 IF 1:50-1:500
Isotyp: IgG	Berechnete Masse: 1178 aa, 130 kDa	
Immunogen Katalognummer: AG8857	Beobachtete Masse: 125-130 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Hausschwein, Human, Maus, Ratte, Rind

Positivkontrollen:

WB : Mauslebergewebe, HepG2-Zellen, Rattenlebergewebe

IP : HepG2-Zellen, Mauslebergewebe

IHC : humanes Leberkarzinomgewebe, humanes Mammakarzinomgewebe

IF : HepG2-Zellen,

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

PC (pyruvate carboxylase) is a member of the family of biotin-dependent carboxylases and is found widely among eukaryotic tissues and in many prokaryotic species. It catalyses the ATP-dependent carboxylation of pyruvate to form oxaloacetate which may be utilised in the synthesis of glucose, fat, some amino acids or their derivatives and several neurotransmitters. Diabetes and hyperthyroidism increase the level of expression of pyruvate carboxylase in the long term, while its activity in the short term is controlled by the intramitochondrial concentrations of acetyl-CoA and pyruvate (PMID:9597748).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Teresa W-M Fan	36150727	J Immunol	
Jasmin Sponagel	36108629	Med (N Y)	WB
Letian Zhang	34481473	BMC Genomics	IHC

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

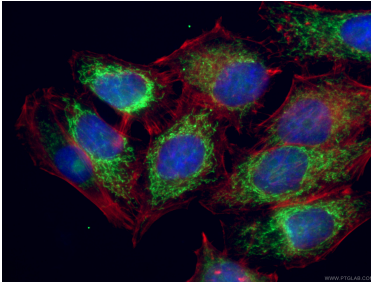
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

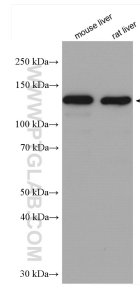
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

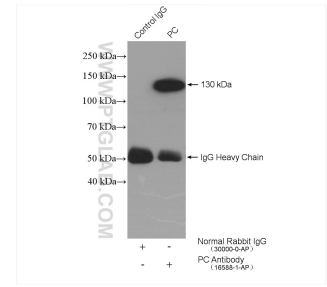
Ausgewählte Validierungsdaten



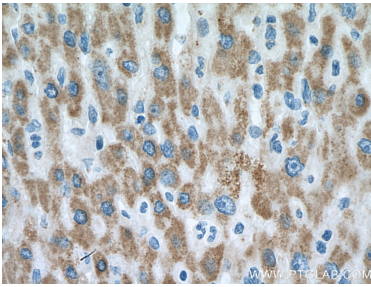
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 16588-1-AP (Pyruvate Carboxylase antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). F-actin is stained using CL555-phalloidin (red) and DNA is stained by DAPI (blue).



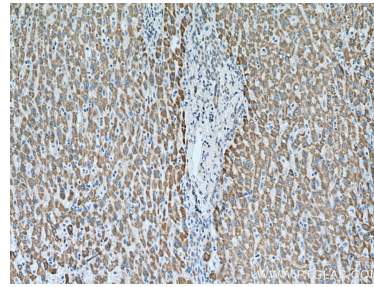
Various lysates were subjected to SDS PAGE followed by western blot with 16588-1-AP (Pyruvate Carboxylase antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



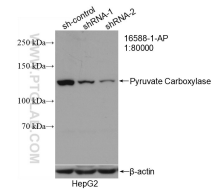
IP result of anti-Pyruvate Carboxylase (IP:16588-1-AP, 4µg; Detection:16588-1-AP 1:1000) with HepG2 cells lysate 2640 µg.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16588-1-AP (Pyruvate Carboxylase antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16588-1-AP (Pyruvate Carboxylase antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of Pyruvate Carboxylase antibody (16588-1-AP; 1:80000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Pyruvate Carboxylase transfected HepG2 cells.